



Two CCC Volunteers Dig Into Frederick County with Various Environmental Projects

Angelia Miller and Louisa McIver are the newest interns at the Frederick County Office of Sustainability and Environmental Resources (OSER). From September 2015 August 2016, Angelia and Louisa will be working with OSER as a Chesapeake Conservation Corps Volunteers. The Chesapeake Conservation Corps is a program initiative supported by the Chesapeake Bay Trust that aims to provide environmental, leadership, and technical training opportunities for young adults during a one-year term of service.



Look up in the sky! Jeff Feaga points to something (a bird, a squirrel, a persimmon fruit?) while on a site visit with Mike Wilkins, Angelia Miller and Louisa McIver. Photo by Tim Goodfellow.

Angelia graduated this past May from Hood College with an undergraduate degree in Environmental Science and Policy. Thus far at the office, she has completed commercial and industrial property inspections for illicit discharge, which is the direct dumping or leaking into the storm drain system that conveys pollution directly to our waterways. This coming April, Angelia will be conducting a large riparian

forest buffer planting along Plankstone Creek in Pinecliff Park in an attempt to remedy water quality and erosion issues along the stream bank. In addition, she will be leading a storm drain stenciling event in three different county parks to educate the public on stormwater pollution and the importance of knowing where our storm drains lead.

Louisa received her bachelor's degree in Environmental Science from Dickinson College (PA) in 2014. This fall, Louisa spent her time evaluating Frederick County's current litter problems and litter-control programs. In addition to the evaluation, she created public outreach materials to educate citizens on the "Dirty Truth on Litter." This coming April, Louisa will also be conducting a similar tree planting of her own on a farm in Walkersville, in partnership with Stream-link Education. Additionally, she will be helping to establish a large-scale tree planting and conservation easement program for OSER.

Angelia and Louisa will also be collaborating on a handful of projects while at OSER. These include modeling Total Maximum Daily Load (TMDL) allowances and reductions, conducting a rain garden workshop, evaluating areas of impervious surfaces, and creating a variety of different tip sheets for public education. The TMDL modeling will provide OSER with projections on how much phosphorus and sediment pollution can enter our waterways in the upcoming year while still achieving nutrient reduction goals set by the Maryland Department for the Environment. This TMDL modeling also helps OSER to target the location and type of Best Management Practices (BMPs) around the county that will most effectively achieve pollution reductions. The rain garden workshop will be conducted at the Green Neighbor Forum in March at Hood College, and will inform homeowners about one of the most useful small-scale BMPs used to improve the environment around Frederick County.

Following their time with OSER and the Corps, Louisa and Angelia both hope to pursue a master's degree in the environmental field.